

channels 42 for fastening screws 44 for mounting the cover plate 16 of the mounting assembly 14, again referring to Figure 1.

The mounting assembly 14 includes an elongated bearing block member 50 referring again to Figure 2, dimensioned for positioning in a U-shaped chamber 26 of the base plate member 20, including upper channels ~~32~~ 52 for alignment with the upper paired threaded orifices 28 as more fully hereinafter discussed. The bearing block member 50 referring to Figure 2 and 3, is positioned within the U-shaped chamber 26 and is mounted for rotation by screws 54 extending through upper threaded orifices 28 of the base plate member 20 ~~and~~ and the upper chamber channel 52 of bearing block member 50. The bearing block member 50 is formed with a pivoting assembly generally indicated as 56 at the upper end thereof for connection with the extension arm 58 of the dental x-ray assembly 10.

The bearing block member 50 is formed with a downwardly extending ~~wall section~~ leg portion 62 including a threaded orifice 64 and with stepped surface portions (not shown) for positioning a jack plate 66 between the stepped surface portions and the surface of the U-shaped chamber. A jack screw 68 is threaded through the threaded orifice 64 for cooperation with the jack plate 66 during final positioning of bearing block member 50 in the calibration to eliminate swing of the dental x-ray assembly 10 as hereinafter described.

In operation, the base plate member 20 is secured to the

vertical support surface 12 whereby the longitudinal axis thereof is in a vertical plane perpendicular to a plane of the vertical support surface 12. Whereupon the bearing block member 50 is positioned with the U-shaped chamber 26 and the screws 54 threaded into the threaded orifices 28 in a manner to permit the bearing block member 50 to rotate about an axis formed by the axis of the orifices 28. The jack plate 66 is positioned in a stepped portion of the bearing block member 50 with the jack screw 68 being positioned and adjustable to the point where axis of the bearing block member is in a vertical plane perpendicular to the longitudinal axis of the base plate member 20. Thus, the axis of the bearing block member 50 should be coincidental with a line generated by vertical planes disposed at right angles to each other. Thereafter, locking bolts ~~70~~ 54 are threaded with the threaded orifices 30 of the base plate 20 to a point where the bearing block is secured in the position eliminating any swinging of the dental x-ray assembly.

While the present invention has been described with respect to the exemplary embodiments thereof, it will be recognized by those of ordinary skill in the art that many modifications or changes can be achieved without departing from the spirit and scope of the invention. Therefore it is manifestly intended that the invention be limited only by the scope of the claims and the equivalence thereof.